



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

PRELIMINARY ISSUE

651.3010

Job Sheet 206778



Part No: 651.3010

Job Qty: 6 pcs

Part Name: 5/16" Bushing



Part Weight: 0 lbs

Status: New

Job Created: 2/10/20

Job Tracking No:

Due Date: 2/14/20

Created By: Marie Lajeunesse

Type: SOLD

Description:

Note: DWG 654.0700 Rev PR4 IPP Rev. A 2020.01.23 New issue JV Verify DP

Ship Via:

POSITIVE RECALL

EFFECTIVE 2004/1 AUTH. JL

RELEASED 55 DATE MAR 12 2020

9-89 Priority: Medium

### Bill of Materials

### Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier    |           | Sign-off   |
|-------|------------------------|-------|------------|----------|-----------|---------|------------------------|-----------|------------|
|       |                        |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier  | Lead Time |            |
| 100   | Conventional Lathe - 1 | 6 pcs | 2/14/20    |          | 0.50      | 0.86    | Conventional Lathe - 1 |           | JL 20-2-13 |
|       |                        |       |            |          |           |         | Conventional Lathe - 2 |           |            |
| 110   | QC 2                   | 6 pcs | 2/14/20    |          | 0.00      | 0.00    | QC 2 - 1               |           |            |
|       |                        |       |            |          |           |         | QC 2 - 12              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 14              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 17              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 19              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 2               |           |            |
|       |                        |       |            |          |           |         | QC 2 - 20              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 22              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 23              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 25              |           | JL         |
|       |                        |       |            |          |           |         | QC 2 - 32              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 33              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 35              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 39              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 4               |           |            |
|       |                        |       |            |          |           |         | QC 2 - 40              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 44              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 45              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 48              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 49              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 50              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 51              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 52              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 57              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 62              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 63              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 8               |           |            |
|       |                        |       |            |          |           |         | QC 2 - 66              |           |            |
|       |                        |       |            |          |           |         | QC 2 - 64              |           |            |

Plex 2/10/20 10:55 AM Dart.lajeunesse.marie



Container No: S255669



Part: 651.3010

Job No: 206778

Serial No/Batch: S255669

Revision: Rev.N/C

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K64 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 02/13/20

REFUSED 22 DATE NOV 13 2020  
EFFECTIVE DATE NOV 13 2020  
LOGLINE RESULT



|     |                     |       |         |      |      |                        |  |
|-----|---------------------|-------|---------|------|------|------------------------|--|
| 120 | QC 8                | 6 pcs | 2/14/20 | 0.00 | 0.00 | QC 2 - 65              |  |
|     |                     |       |         |      |      | QC 2 - 5               |  |
|     |                     |       |         |      |      | QC 2 - 71              |  |
|     |                     |       |         |      |      | QC 2 - 73              |  |
|     |                     |       |         |      |      | QC 2 - 69              |  |
|     |                     |       |         |      |      | QC 2 - 76              |  |
|     |                     |       |         |      |      | QC 8 - 12              |  |
|     |                     |       |         |      |      | QC 8 - 14              |  |
|     |                     |       |         |      |      | QC 8 - 17              |  |
|     |                     |       |         |      |      | QC 8 - 20              |  |
|     |                     |       |         |      |      | QC 8 - 25              |  |
|     |                     |       |         |      |      | QC 8 - 3               |  |
|     |                     |       |         |      |      | QC 8 - 32              |  |
|     |                     |       |         |      |      | QC 8 - 33              |  |
|     |                     |       |         |      |      | QC 8 - 35              |  |
|     |                     |       |         |      |      | QC 8 - 39              |  |
|     |                     |       |         |      |      | QC 8 - 4               |  |
|     |                     |       |         |      |      | QC 8 - 44              |  |
|     |                     |       |         |      |      | QC 8 - 45              |  |
|     |                     |       |         |      |      | QC 8 - 49              |  |
|     |                     |       |         |      |      | QC 8 - 58              |  |
|     |                     |       |         |      |      | QC 8 - 8               |  |
|     |                     |       |         |      |      | QC 8 - 9               |  |
|     |                     |       |         |      |      | QC 8 - 68              |  |
|     |                     |       |         |      |      | QC 8 - 67              |  |
|     |                     |       |         |      |      | QC 8 - 1 (A)           |  |
|     |                     |       |         |      |      | QC 8 - 47              |  |
|     |                     |       |         |      |      | QC 8 - 40              |  |
|     |                     |       |         |      |      | QC 8 - 52              |  |
|     |                     |       |         |      |      | QC 8 - 23              |  |
|     |                     |       |         |      |      | QC 8 - 57              |  |
|     |                     |       |         |      |      | QC 8 - 76              |  |
|     |                     |       |         |      |      | QC 8 - 61              |  |
| 130 | Packaging 3 - Stock | 6 pcs | 2/14/20 | 0.00 | 0.00 | Packaging 3 - 1 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 2 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 3 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 4 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 5 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 6 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 7 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 8 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 9 - B4B  |  |
|     |                     |       |         |      |      | Packaging 3 - 10 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 11 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 12 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 13 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 14 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 15 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 16 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 17 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 18 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 19 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 20 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 21 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 22 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 23 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 24 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 25 - B4B |  |
|     |                     |       |         |      |      | Packaging 3 - 26 - B4B |  |

20/02/15

DAS  
58 MAR 12 2020  
9-89

|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            |                        |                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|----------------------------|------------------------|-----------------|
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 27 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 28 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 29 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 30 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 31 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 32 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 33 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 34 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 35 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 36 - B4B |                 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 37 - B4B |                 |
| 140                                                                                                                                                                                                                                                                                                                                  | QC 21 - SA            | 6 pcs           | 2/14/20                    | 0.00 0.00              | QC 21 - SA - 21 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            |                        | QC 21 - SA - 70 |
|                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            |                        | QC 21 - SA - 53 |
| <p>Part Op <b>100</b> - 1-Machine as per DWG. 2-Deburr<br/>         Descriptions: <b>110</b> - QC2- Inspect parts off machine FAI/FAIB<br/> <b>120</b> - QC2- Inspect parts off machine FAI/FAIB<br/> <b>130</b> - Identify as per dwg &amp; Stock Location: _____<br/> <b>140</b> - QC21- Final Inspection - Work Order Release</p> |                       |                 |                            |                        |                 |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                       |                       |                 |                            |                        |                 |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                   | <b>Component Name</b> | <b>Quantity</b> | <b>Operation</b>           | <b>Container</b>       |                 |
| 601.3919                                                                                                                                                                                                                                                                                                                             | Bushing, 5/16"        | 6 Ea (1 ea)     | 100-Conventional Lathe - 1 | 525794                 |                 |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                               |                       |                 |                            |                        |                 |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                     | <b>Component Part</b> | <b>Required</b> | <b>Inventory</b>           | <b>Allocated</b>       |                 |
| 100-Conventional Lathe - 1                                                                                                                                                                                                                                                                                                           | 601.3919              | 6               | 0                          | 0                      |                 |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                           |                       |                 |                            |                        |                 |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                   |                       |                 |                            |                        |                 |

MAR 12 2020

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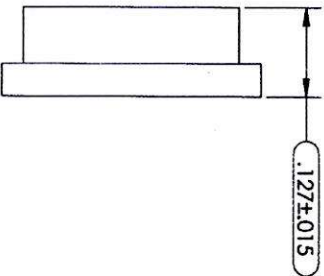
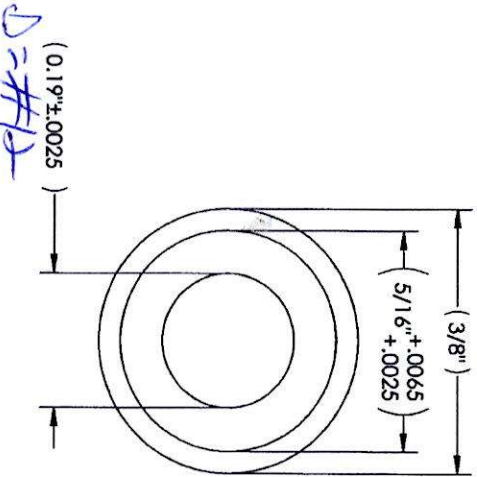




THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF  
AFCAI INDUSTRIES DDA PART AIRCRAFT ANY REPRODUCTION IN PART OR WHOLE WITHOUT  
THE WRITTEN PERMISSION OF DART AIRCRAFT INDUSTRIES IS PROHIBITED.

NOTES:

1 MAKE FROM DART PART NUMBER: 601.3919, MODIFY AS SHOWN



651.3010



\$7.30  
1.00 each

33.44  
12

2.78 + 4.52

| REV. | DESCRIPTION     | DATE     | APPROVED  |
|------|-----------------|----------|-----------|
| 1    | INITIAL RELEASE | 02/25/11 | P. MARINO |

| QTY                        | REV | FIN D #  | PART #        | DESCRIPTION | MATL | SPEC. |
|----------------------------|-----|----------|---------------|-------------|------|-------|
| 1                          | 1   | 651.3010 | 5/16" BUSHING |             |      |       |
| PARTS LIST                 |     |          |               |             |      |       |
| NEXT ASSY (S)              |     |          |               |             |      |       |
| DART 3000 ENTERPRISE CT.   |     |          |               |             |      |       |
| AEROSPACE VISTA, CA 92081  |     |          |               |             |      |       |
| TEL (609) 724-5500         |     |          |               |             |      |       |
| FAX (609) 724-5500         |     |          |               |             |      |       |
| E-MAIL: SALES@DART-USA.COM |     |          |               |             |      |       |
| WWW.DART-USA.COM           |     |          |               |             |      |       |
| DART 3000 ENTERPRISE CT.   |     |          |               |             |      |       |
| AEROSPACE VISTA, CA 92081  |     |          |               |             |      |       |
| TEL (609) 724-5500         |     |          |               |             |      |       |
| FAX (609) 724-5500         |     |          |               |             |      |       |
| E-MAIL: SALES@DART-USA.COM |     |          |               |             |      |       |
| WWW.DART-USA.COM           |     |          |               |             |      |       |
| DART 3000 ENTERPRISE CT.   |     |          |               |             |      |       |
| AEROSPACE VISTA, CA 92081  |     |          |               |             |      |       |
| TEL (609) 724-5500         |     |          |               |             |      |       |
| FAX (609) 724-5500         |     |          |               |             |      |       |
| E-MAIL: SALES@DART-USA.COM |     |          |               |             |      |       |
| WWW.DART-USA.COM           |     |          |               |             |      |       |

1/2



Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |
| <b>Root Cause</b><br><br><div style="display: flex; flex-direction: column;"> <div>Operator <input type="checkbox"/></div> <div>Manufacturing Process <input type="checkbox"/></div> <div>Equip/Tooling <input type="checkbox"/></div> <div>Handling/Presservation <input type="checkbox"/></div> <div>Material <input type="checkbox"/></div> <div>Product Improvement <input type="checkbox"/></div> <div>Process Improvement <input type="checkbox"/></div> <div>Human Factors <input type="checkbox"/></div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> <div style="width: 50%;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="width: 50%;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="width: 50%;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |                        |  |